

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 29239/10000	FOR FURTHER ACTION		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US 99/ 25098	International filing date (day/month/year) 26/10/1999	(Earliest) Priority Date (day/month/year) 27/10/1998	
Applicant PETERSEN, Joel, R.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/25098

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F3/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 12314 A (BELL COMMUNICATIONS RESEARCH INC.) 3 April 1997 (1997-04-03) page 3, line 29 -page 4, line 31 page 10, line 12 - line 16; figures 1-8 ---	1-10
X	WO 92 03816 A (GENERAL PARAMETRICS CORP.) 5 March 1992 (1992-03-05)	1,4,6-8
A	page 7, line 3 -page 11, line 12; figures 1,8A,8B ---	2,3,5,9, 10
P,A	US 5 917 470 A (FUJIOKA) 29 June 1999 (1999-06-29) column 5, line 22 -column 7, line 58; figures 1-3 --- -/--	1,4-8, 19-21

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

30 December 1999

Date of mailing of the international search report

12/01/2000

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/25098

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 93 10605 A (LAPPINGTON ET AL.) 27 May 1993 (1993-05-27) page 1, line 22 - line 32 page 19, line 16 - line 22; figures 1,8 page 13, line 2 -page 14, line 34; figures 1,8 ---	1,2,4-9
A	US 5 790 818 A (MARTIN) 4 August 1998 (1998-08-04) column 3, line 9 -column 4, line 23; figures 1,4-6,10,11 -----	1,4,6-8, 11-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/25098

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9712314	A	03-04-1997	NONE	
WO 9203816	A	05-03-1992	GB 2264187 A, B JP 6503894 T US 5307055 A	18-08-1993 28-04-1994 26-04-1994
US 5917470	A	29-06-1999	JP 8228329 A	03-09-1996
WO 9310605	A	27-05-1993	US 5343239 A AU 661082 B AU 3063292 A CA 2124000 A EP 0613600 A JP 7505020 T US 5734413 A US 5519433 A US 5526035 A US 5764275 A US 5638113 A	30-08-1994 13-07-1995 15-06-1993 27-05-1993 07-09-1994 01-06-1995 31-03-1998 21-05-1996 11-06-1996 09-06-1998 10-06-1997
US 5790818	A	04-08-1998	US 5909213 A DE 4446139 A JP 7210357 A	01-06-1999 13-07-1995 11-08-1995